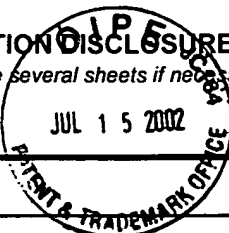


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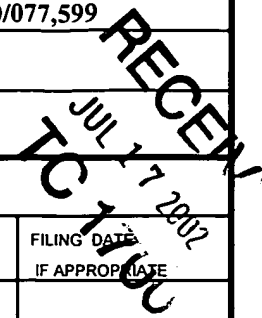
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10/077,599

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NA	2,094,908	10/5/37	Thrall	158	53	
	2,342,647	2/29/44	Denman	288	33	
	2,599,767	6/10/52	Long	285	1	
	3,230,290	1/18/66	Nelson et al.	264	320	
	3,382,567	5/14/68	Schaeffler	29	522	
	3,442,520	5/6/69	Kupchick	277	169	
	3,597,566	8/3/71	Johnson	219	10.55	
	3,679,218	7/25/72	Farnam	277	233	
	3,697,348	10/10/72	Farnam	156	190	
	3,720,420	3/13/73	Jelinek et al.	277	180	
NA	3,743,305	7/3/73	Berens et al.	277	37	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NA	57-58450	12/13/82	Japan	Z		✓	
	3-89133	09/11/91	Japan			✓	
	JP 04331876	11/19/92	Japan (abstract in English)			✓	
	JP 55072950	06/02/80	Japan (abstract in English)			✓	
NA	JGP-328	08/06/97	Japan			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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*EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NA	3,787,278	01/22/74	Ready et al.	161	157	
	3,843,139	10/22/74	Messenger	277	37	
	3,854,736	12/17/74	Farnam	277	204	
	3,863,936	02/04/75	Farnam et al.	277	166	
	3,926,445	12/16/75	Farnam	277	204	
	3,953,566	04/27/76	Gore	264	288	
	3,986,721	10/19/76	Decker	277	166	
	4,032,606	06/28/77	Solomatin et al.	264	22	
	4,042,747	08/16/77	Breton et al.	428	323	
	4,070,219	01/24/78	Farnam	156	192	
NA	4,082,893	04/04/78	Okita	428	376	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NA	✓ EP 0 352 608	01/31/90	EPO			✓	
	✓ EP 0 365 871	05/02/90	EPO			✓	
	✓ EP 0 465 092	01/08/92	EPO			✓	
	✓ EP 0 661 336	05/07/95	EPO			✓	
NA	✓ EP 0 736 710	09/10/96	EPO			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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DATE CONSIDERED

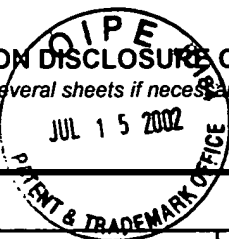
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NA	4,187,390	02/05/80	Gore	174	102	
	4,234,535	11/18/80	Okita	264	519	
	4,357,026	11/02/82	Panchetti	277	153	
	4,385,093	05/24/83	Hubis	428	316.6	
	4,406,770	09/27/83	Chan et al.	204	406	
	4,435,235	03/06/84	Atkinson et al.	156	62.2	
	4,487,421	12/11/84	Housas et al.	277	207	
	4,560,714	12/24/85	Gajria et al.	523	409	
	4,587,003	05/06/86	Tantram et al.	204	412	
	4,676,515	06/30/87	Cobb	277	235	
NA	4,688,805	08/25/87	Crotti et al.	277	84	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NA	✓ JGU-105	12/28/89	Japan			✓	
	✓ JGP-331	09/08/97	Japan			✓	
	✓ WO 89/11608	11/30/89	PCT			✓	
	✓ EP 0 143 338	06/05/85	EPO			✓	
NA	✓ EP 0 860 207	08/26/98	EPO			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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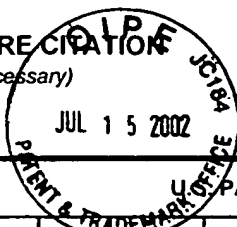
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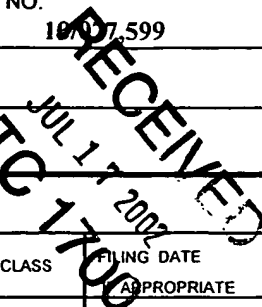
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
NA	4,900,629	02/13/90	Pitolaj	428	422	
	4,913,951	04/03/90	Pitolaj	428	76	
	5,072,952	12/17/91	Irrgeher et al.	277	229	
	5,112,664	05/12/92	Waterland, III	428	76	
	5,160,773	11/03/92	Sassa	428	76	
	5,195,759	03/23/93	Nicholson	277	215	
	5,234,739	08/10/93	Tanaru et al.	428	131	
	5,476,589	12/19/95	Bacino	210	500	
	5,492,336	02/20/96	Barna et al.	277	1	
	5,494,301	02/27/96	Hamilton et al.	277	227	
NA	5,527,047	06/18/96	Waterland, III	277	204	

## FOREIGN PATENT DOCUMENTS

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						YES	NO
NA	GB 2 094 908	09/22/82	UK			✓	
NA	GB 2 268 551	01/12/94	UK			✓	
NA	EP 0 822 357	04/02/98	EPO			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

N. Ahmad

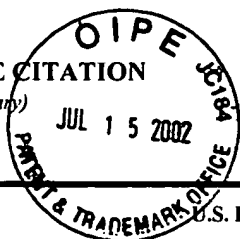
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Docket Number (Optional)

GK/48

Application Number

10/077,599

Applicant(s)

Hirokazu et al.

Filing Date

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NA		5,551,706	09/03/96	Barna et al.	277	229	
NA		5,558,347	09/24/96	Nicholson	277	229	
NA		5,879,789	03/09/99	Dolan et al.	428	212	
NA		5,964,465	10/12/99	Mills et al.	277	316	

## FOREIGN PATENT DOCUMENTS

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							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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